

Work Order ID 144147-~~3~~2

Tuesday, April 05, 2016 1:00:13 PM

144147

Page 1

Item ID: D3439-101

Accept

N9000040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Mirror Assembly 8"

Start Date: 4/8/2016 Start Qty: 12.00

12

Cust Item ID:

Required Date: 4/18/2016 Req'd Qty: 12.00

12

Customer:

Reference:

Run Start

NR1

Approvals: Process Plan: MLJ

Date: APR 05 2016

Tooling:

Date:

Stop

NR2

QC:

Date:

SPC (Y/N):

Date:

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
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D3439	Rev B
-------	-------

100

100

Purchasing

Purchasing

PURCHASING

Memo

Issue P/O: 31941
For Grote Mirror P/N: 12183
Possible Supplier: UAP/NAPA
Material release note is required

0.00

0.00

12 APR 05 2016

110

110

Packaging

Packaging

Receive & Inspect for Damage & Mat'l Certs

Memo

Ensure Material Release Note is attached

0.00

0.00

12x SP16-04-15

115

115

QC

Quality Control

QC6- Inspect dimensions to drawing

Memo

0.00

0.00

12

APR 18 2016

Work Order ID 144147

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Page 2

Item ID: D3439-101

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Mirror Assembly 8"

Start Date: 4/8/2016 Start Qty: 12.00

12

Cust Item ID:

Required Date: 4/18/2016 Req'd Qty: 12.00

12

Customer:

Reference:

Run Start

NR1

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Stop

NR2

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	Small Fab	0.00							
120									
Small Fab									
Small Fab									
	Memo	0.02							
	1- Discard Hardware.								
	2- Drill and Tap mirror as per Dwg using DT9670 , then install stud as per dwg.								
	3- Plug drain holes with Sikaflex.								
	Ensure that mirror adheres to housing.								
	Pick:								
	Qty Part Number Description Batch								
	A/RN/A Sikaflex-241/-291								
	Sikaflex expiry date 17.02.16								
130	QC5- Inspect part completeness to step on W/O	0.00							
130									
QC									
Quality Control									
	Memo	0.00							

DAS
36
9-89DAS
38
9-89
JAN 20 2017

Work Order ID 144147

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144147

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Item ID: D3439-101

Accept

N900040100

Setup

Start

NS1

Revision ID:

Stop

NS2

Item Name: Mirror Assembly 8"

Start Date: 4/8/2016 Start Qty: 12.00

12

Cust Item ID:

Required Date: 4/18/2016 Req'd Qty: 12.00

12

Customer:

Reference:

Run

Start

NR1

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Stop

NR2

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

140

Identify as per dwg & Stock Location: S6383

0.00

140

Packaging

Memo

0.00

Packaging

5 JAN 23 2017DAS
6
9-89

150

QC21 - Final Inspection - Work Order Release

0.00

150

QC

Memo

0.02

Quality Control

DAS
21
9-89

JAN 24 2017

DAS
21
9-89

JAN 23 2017

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144147

D3439-101

Required Qty: 12.00

IPP Rev:B 10.09.08

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
12183		Purchased	No			120	Each	0.0000	1	12			
12183									**	12x Spile-04-15.			
Grote Mirror D3015-3		Manufactured	No			120	Each	351.0000	1	12			
D3015-3									**	17/01/20	DAS 36 9-89		
Locknut													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				FG		18							
				95758		8							
				96151		10							
				ST015		1							
				136803		1							
				ST025A		332							
				141459		32							
				141800		100							
				141898		200							
D3439-3		Manufactured	No			120	Each	32.0000	1	12			
D3439-3									**	12/01/20	DAS 36 9-89		
Stud													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				GA		32							
				127016		32							

Picklist Print

Page 2

Tuesday, April 05, 2016 1:00:16 PM

Work Order ID: 144147

144147

Parent Item: D3439-101

D3439-101

Parent Item Name: Mirror Assembly 8"

Start Date: 4/8/2016

Required Date: 4/18/2016

Start Qty: 12.00

Required Qty: 12.00

NAS1149C0563R

Purchased

No

120

Each

496.0000

1

12

NAS1149C0563R

17/01/20
DAS
36
9-89

Washer

Location

Loc Qty

Loc Code

ST265

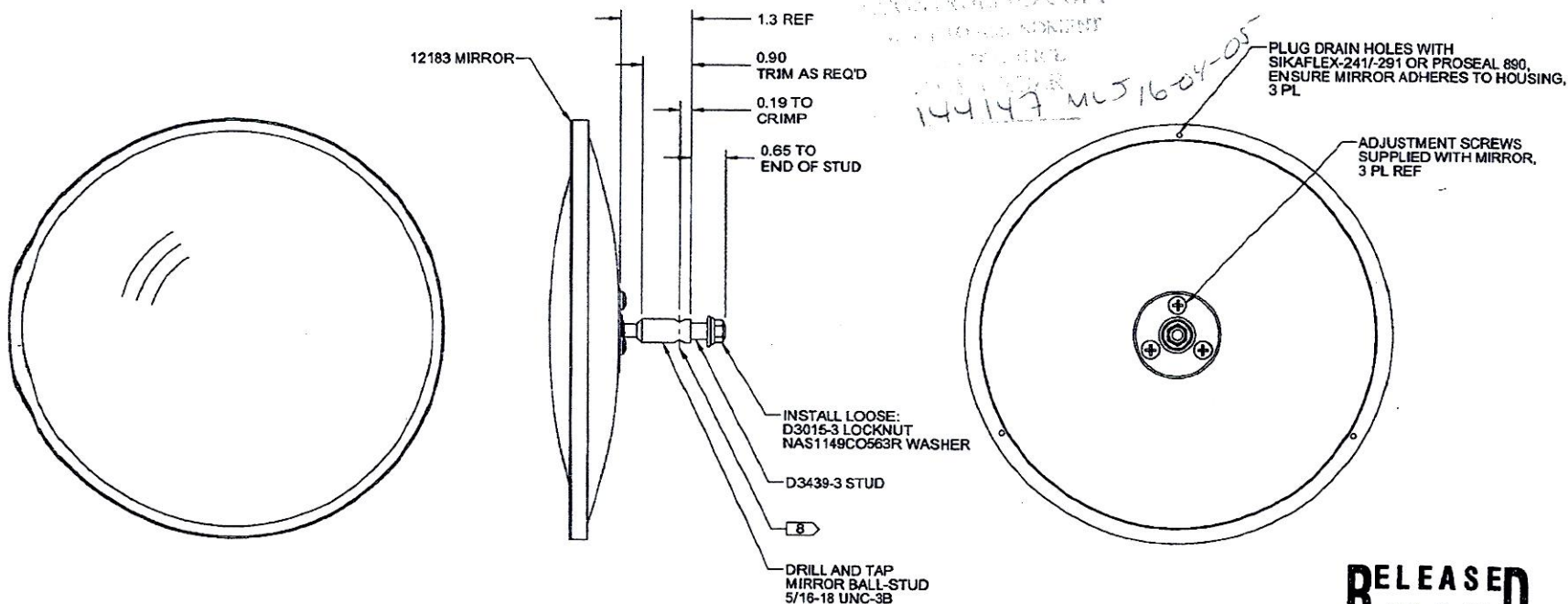
496

m131697

496

5

ITEM	QTY	P/N	DESCRIPTION
1	X	D3439-101	MIRROR ASSEMBLY, 8"
2	1	12183	MIRROR 8" (GROTE)
3	1	D3015-3	LOCKNUT
4	1	D3439-3	STUD
5	1	NAS1149CO563R	WASHER (OR AN960JD516)



D3439-101 MIRROR ASSEMBLY

NOTES:

- 1) MATERIAL: MIRROR= 8" ROUND CONVEX MIRROR W/ STAINLESS STEEL CASE
CENTER-MOUNT BALL-STUD W/ 1/4-20 X 1" DEEP FEMALE THREAD
GROTE INDUSTRIES, 2600 LANIER DRIVE, MADISON, INDIANA 47250
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3439-101" USING REMOVEABLE TAG
- 7) WEIGHT: 1.18 lbs
- 8) TO INSTALL D3439-3 STUD:
 - APPLY LOCKTITE 262 TO THREADS BEING INSTALLED INTO MIRROR BALL-STUD
 - THREAD D3439-3 STUD INTO MIRROR BALL-STUD
 - CRIMP MIRROR BALL-STUD ON OPPOSING SIDES, 0.19 FROM END AS ILLUSTRATED USING TOOL DT8317
 - CRIMP TO DEPTH OF 0.015-0.030 USING R0.125

RELEASED
2010-09-07
ANN

B	REDRAW, ADD -3 (WAS PURCHASED/TRIMMED BOLT), RMV LPS	CP	10.07.20
A	NEW ISSUE	CP	05.05.27
REV.	DESCRIPTION	BY	DATE
DESIGN	gp		
DRAWN	gp		
CHECKED	gp		
MFG. APPR.	gp		
APPROVED	gp		
DE APPR.	gp		
DATE	10.07.20		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **D3439** REV. B
SHEET 1 OF 2
TITLE **MIRROR ASSEMBLY** SCALE NTS

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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

Purchase Order ID PO31941

Purchase Order Date 4/5/2016 2:48:38 PM
PO Print Date 4/5/2016

Page Number 1 of 1

Order From :

VC-BC1001

B C INDUSTRIAL
14 OLD FOREST
KIRKLAND, QUEBEC H9J 2Z8

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED

APR 06 2016

Contact Name

Vendor Phone 514-585-8907

Ship To Contact

Ship To Phone

Ship Via: Purolator ground collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

COD

Currency

CAD

FOB

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
	Line Comments		Promise Date				
	Delivery Comments						
3	12183	Grote Mirror	4/12/2016		12.00	\$19.99	\$239.88
			Yes		Each		
			4/12/2016				
	AS PER DWG D3439 REV. B B144147						
						Line Total:	\$239.88
4	71401-45	PROCUREMENT QUALITY CLAUSES	4/12/2016		1.00	\$0.00	\$0.00
			No				
			4/12/2016				
	Procurement Quality Clauses						
	A005 RIGHT OF ENTRY						
	A026 CERTIFICATION OF MATERIAL CONFORMANCE						
	A040 NOTIFICATION OF QUALITY ESCAPE						
	A042 DART NOTIFICATION BY SUPPLIER						
	A043 RETENTION OF QUALITY DOCUMENTS						
						Line Total:	\$0.00
						PO Total:	\$239.88

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 4/5/2016

DATE Apr 12 2016

Packing Slip

PS160412DA

Livrer a/Ship to:

Dart Aerospace
1270 Aberdeen Street
Hawkesbury, Ont
K6A 1K7

PO 31941

	Description	Livrer/ship	B/O
1.	Grote mirror 12183	3 ✓	9
2.			
3.			
4.			
5.			
6.			
7.			

SP 16-04-15

BC Industrial..14 Old Forest..Kirkland..Quebec..H9J-2Z8
Phone 514-585-8907 bcpc1@videotron.ca

DATE Apr 14 2016

Packing Slip

PS160414DA

Livrer a/Ship to:

Dart Aerospace
1270 Aberdeen Street
Hawkesbury, Ont
K6A 1K7

PO 31941 ✓

	Description	Livrer/ship	B/O
1.	Grote mirror 12183 ✓	9 ✓	0
2.			
3.			
4.			
5.			
6.			
7.			

8816-01-15

BC Industrial..14 Old Forest..Kirkland..Quebec..H9J-2Z8
Phone 514-585-8907 bcpcl@videotron.ca

BC Industrial..... 14 Old Forest....Kirkland....Quebec....H9J-2Z8....Canada
Phone 514-585-8907 Email bcpcl@videotron.ca

FACTURE/INVOICE

INV160414DA

Apr 14 2016

Ref Notre PS# PS160414DA

Votre PO# 31941

Vendu a Dart Aerospace Ltd
1270 Aberdeen
Hawkesbury, Ont
K6A 1K7

Description	Quan.	Prix	Total
1. Grote mirror 12183 ✓	9 ✓	19.99ea	179.91 ✓
2.			
3.			
4.			
5.			

2016-04-15

179.91

HST: 23.39

203.30

#TPS/GST-142640622
#TVQ/PST-1021696907

Terms 2%10 Net 30

BC Industrial..... 14 Old Forest....Kirkland....Quebec....H9J-2Z8....Canada
Phone 514-585-8907 Email bcpcl@videotron.ca

Certificate of Compliance

Apr 12 2016

Dart Aerospace
1270 Aberdeen
Hawkesbury, Quebec
K6A-1K7

ATT: Chantal Lavoie

This is to confirm that the parts delivered on our PS 160412DA

Grote mirror 12183

conforms to the specifications outlined on your purchase
order 31941

Thank you

Bryan Cameron

#TPS/GST-142640622
#TVQ/PST-1021696907

Terms 2%10 Net 30

BC Industrial..... 14 Old Forest....Kirkland....Quebec....H9J-2Z8....Canada
Phone 514-585-8907 Email bcpcl@videotron.ca

Certificate of Compliance

Apr 14 2016

Dart Aerospace
1270 Aberdeen
Hawkesbury, Quebec
K6A-1K7

ATT: Chantal Lavoie

This is to confirm that the parts delivered on our PS 160414DA

Grote mirror 12183

conforms to the specifications outlined on your purchase
order 31941

Thank you

A handwritten signature in black ink, appearing to read 'Bryan Cameron', with a long horizontal flourish extending to the right.

Bryan Cameron

#TPS/GST-142640622
#TVQ/PST-1021696907

Terms 2%10 Net 30